

Table 6-5.1. Fertilizer Requirements

| TYPE OF SPECIES | YEAR | ANALYSIS OR EQUIVALENT N-P-K | RATE | N TOP DRESSING RATE |
|---|--------------------------------|------------------------------------|--|---|
| 1. Cool season grasses | First Second Maintenance | 6-12-12 6-12-12 10-10-10 | 1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac. | 50-100 lbs./ac. 1/2/ — 30 |
| 2. Cool season grasses and legumes | First Second Maintenance | 6-12-12 0-10-10 0-10-10 | 1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac. | 0-50 lbs./ac. 1/ — — |
| 3. Ground covers | First Second Maintenance | 10-10-10 10-10-10 10-10-10 | 1300 lbs./ac. 3/ 1300 lbs./ac. 3/ 1100 lbs./ac. | — — — |
| 4. Pine seedlings | First | 20-10-5 | one 21-gram pellet per seedling placed in the closing hole | — |
| 5. Shrub Lespedeza | First Maintenance | 0-10-10 0-10-10 | 700 lbs./ac. 700 lbs./ac. 4/ | — |
| 6. Temporary cover crops seeded alone | First | 10-10-10 | 500 lbs./ac. | 30 lbs./ac. 5/ |
| 7. Warm season grasses | First Second Maintenance | 6-12-12 6-12-12 10-10-10 | 1500 lbs./ac. 800 lbs./ac. 400 lbs./ac. | 50-100 lbs./ac. 2/6/ 50-100 lbs./ac. 2/ 30 lbs./ac. |
| 8. Warm season grasses and legumes | First Second Maintenance | 6-12-12 0-10-10 0-10-10 | 1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac. | 50 lbs./ac./6/ |

1/ Apply in spring following seeding.

2/ Apply in split applications when high rates are used.

3/ Apply in 3 split applications.

4/ Apply when plants are pruned.

5/ Apply to grass species only.

6/ Apply when plants grow to a height of 2 to 4 inches.

Table 6-4.1 - Temporary Cover for Companion Crops¹

PLANT, PLANTING RATES, AND PLANTING DATED FOR TEMPORARY COVER OR COMPANION CROPS¹

| Species | Broadcast Rates ² PLS ³ | | Planting Dates by Resource Areas Planting Dates (Solid lines indicate optimum dates, dotted lines indicate permissable but marginal dates.) | | | | | | | | | | | | Remarks |
|---|--|-----------------|--|---|---|---|---|---|---|---|---|---|---|---|---|
| | Per Acre | Per 1000 sq.ft. | J | F | M | A | M | J | J | A | S | O | N | D | |
| MILLET, PEARL (Pennisetum glaucum) alone | 50 lbs | 1.1 lb. | | | | | | | | | | | | | 88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures. |
| OATS (Avena sativa) alone | 4 bu (128 lbs.) | 2.9 lb. | | | | | | | | | | | | | 13,000 seed per pound. Use on productive soils. Not as winterhardy as rye or barley. |
| in mixtures | 1 bu. (32 lbs.) | 0.7 lb. | | | | | | | | | | | | | |
| RYE (Secale cereale) alone | 3 bu. 168 (lbs.) | 3.9 | | | | | | | | | | | | | 18,000 seed per pound. Quick cover. Drought tolerant and winterhardy. |
| in mixtures | 1/2 bu. 28 lbs. | 0.6 lb. | | | | | | | | | | | | | |
| RYEGRASS, ANNUAL (Lolium temulentum) alone | 40 lbs. | C 0.9 lb | | | | | | | | | | | | | 227,000 seed per pound. Dense cover. Very competitive and is not to be used in mixtures. |
| SUDANGRASS (Sorghum Sudanese) alone | 60 lbs. | 1.4 lb. | | | | | | | | | | | | | 55,000 seed per pound. Good on droughty sites. Not recommended for mixtures. |
| WHEAT (Triticum Aestivum) alone | 3bu. (180 lbs.) | 4.1 lb | | | | | | | | | | | | | 15,000 seed per pound. |
| in mixtures | 1/2 bu. (30 lbs.) | 0.7 lb. | | | | | | | | | | | | | |

¹ Temporary cover crops are very competitive and will crowd our pernnials if seeded too heavily

² Reduce seeding rates by 50% when drilled.

³ PLS is an abbreviation for Pure Live Seed.

Table 6-5.2 - Permanent Cover

PLANT, PLANTING RATES, AND PLANTING DATED FOR PERMANENT COVER

| Species | 1/ - PLS 2/ | | Planting Dates by Resource Areas Planting Dates | | | | | | | | | | | | Remarks |
|--|-------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Per Acre | Per 1000 sq.ft. | (Solid lines indicate optimum dates, dotted lines indicate permissbale but marginal dates.) | | | | | | | | | | | | |
| BAHIA, PENSACOLA (Paspalum notatum) alone or with temporary cover with other perenials | | | J | F | M | A | M | J | J | A | S | O | N | D | 166,000 seed per pound. Low growing. Sod forming. Slow to establish. Plant with a companion crop. Will spread into bermuda pastures and lawns. Mix with Sericea lespedeza or weeping lovegrass. |
| | 60 lbs. | 1.4 lb. | | | | | | | | | | | | | |
| | 30 lbs. | 0.7 lb. | | | | | | | | | | | | | |
| BAHIA, WILMINGTON (Paspalum notatum) alone or with temporary cover with other perenials | | | J | F | M | A | M | J | J | A | S | O | N | D | 166,000 seed per pound. Low growing. Sod forming. Slow to establish. Plant with a companion crop. Will spread into bermuda pastures and lawns. Mix with Sericea lespedeza or weeping lovegrass. |
| | 60 lbs. | 1.4 lb. | | | | | | | | | | | | | |
| | 30 lbs. | 0.7 lb. | | | | | | | | | | | | | |
| BERMUDA, COMMON (Cynodon dactylon) Hulled seed alone with other perenials | | | J | F | M | A | M | J | J | A | S | O | N | D | 1,787,000 seed per pound. Quick cover. Low growing and sod forming. Full sun. Good for athletic fields. |
| | 10 lbs. | 0.2 lb. | | | | | | | | | | | | | |
| | 6 lbs. | 0.1 lb. | | | | | | | | | | | | | |
| BERMUDA, COMMON (Cynodon dactylon) Unhulled seed with temporary cover with other perenials | | | J | F | M | A | M | J | J | A | S | O | N | D | Plant with winter annuals. Plant with tall fescue. |
| | 10 lbs. | 0.2 lb. | | | | | | | | | | | | | |
| | 6 lbs. | 0.1 lb. | | | | | | | | | | | | | |
| BERMUDA, SPRIGS (Cynodon dactylon) Coastal, Common, or Tift 44 | | | J | F | M | A | M | J | J | A | S | O | N | D | A cubic foot contains approximately 650 sprigs. A bushel contains 1.25 cubic feet or approximately 500 sprigs. |
| | 40 cu. ft. | 0.9 cu.ft. | | | | | | | | | | | | | |
| | or sod plugs 3' X 3' | | | | | | | | | | | | | | |
| CENTIPEDE (Eremochloa ophiuroides) | Block sod only | | J | F | M | A | M | J | J | A | S | O | N | D | Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in concentrated flow areas. Irrigation is needed until fully establizhed. Do not plant near pastures. Winterhardy as far north as Athens and Atlanta. |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| CROWNVETCH (Coronilla varia) with winter annuals or cool season grasses | 15 lbs/ 0.3 lb. | J | F | M | A | M | J | J | A | S | O | N | D | 100,000 seed per pounf. Dense growth. Drough tolerant and fire resistant. Attractive rose, pink, and white blossoms spring to late fall. Mix with 30 lbs of Tall Fescue or 15 lbs of rye. Innoculate seed with M inoculant. Use from North Atlanta and Northward. | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

1/ Reduce seeding rates by 50% when drilled.
2/ PLS is an abbreviation for Pure Live Seed

Table 6-5.2 - Permanent Cover

PLANT, PLANTING RATES, AND PLANTING DATED FOR PERMANENT COVER

| Species | 1/ - PLS 2/ Per Acre Per 1000 sq.ft. | | Planting Dates by Resource Areas Planting Dates (Solid lines indicate optimum dates, dotted lines indicate permissable but marginal dates.) | | | | | | | | | | | | Remarks |
|---|--|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | J | F | M | A | M | J | J | A | S | O | N | D | |
| FESCUE, TALL (Festuca arundinacea) | alone | 50 lbs. 1.1 lbs. | | | | | | | | | | | | | 227,000 seed per pound. Use alone only on better sites. Not for droughty soils. Mix with perennial lespedezas or crownvetch. Apply topdressing in spring following fall plantings. Not for heavy use areas or athletic fields. |
| | with other perennials | 30 lbs. 0.7 lb. | | | | | | | | | | | | | |
| KUDZU (Pueraria thumbergiana) plants or crowns | 3' - 7' apart | | J | F | M | A | M | J | J | A | S | O | N | D | Rapid and vigorous growth. Excellent in gully erosion control. Will climb. Good livestock forage. |
| | | | | | | | | | | | | | | | |
| LESPEDeza, SERICEA (Lespedeza cuneata) | scarified | 60 lbs. 1.4 lbs. | | | | | | | | | | | | | 350,000 seed per pound. Widely adapted. Low maintenance. Mix with weeping lovegrass, common bermuda, bahia, or tall fescue. Takes 2 - 3 years to become fully established. Excellent on roadbanks. Inoculate seed with EL inoculant. |
| | | | | | | | | | | | | | | | |
| | unscarified | 75 lbs. 1.7 lb. | | | | | | | | | | | | | Mix with Tall fescue or winter annuals. |
| | seed-bearing hay | 3 tons 138 lbs. | | | | | | | | | | | | | |
| LESPEDeza Ambro virgata (Ledpedeza virgata DC) or Appalow (Lespedza cuneata [Dumont] G. Don) | scarified | 60 lbs. 1.4 lb. | | | | | | | | | | | | | 300,000 seed per pound. Height of growth is 18 - 24 inches. Advantageous in urban areas. Spreading-type growth has bronze coloration. Mix with Weeping lovegrass, Common bermuda, bahia, tall fescue, or winter annuals. Do not mix with Sericea lespedaza. Slow to develop solid stands. Inoculate seed with EL inoculate. |
| | | | | | | | | | | | | | | | |
| | unscarified | 75 lbs. 1.7 lb. | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

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|--|-------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Per Acre | Per 1000 sq.ft. | (Solid lines indicate optimum dates, dotted lines indicate permissbale but marginal dates.) | | | | | | | | | | | | |
| LESPEDeza, SHRUB (Lespedeza bicolor) (Lespedeza thumbergii) plants | | 3' x 3' | J | F | M | A | M | J | J | A | S | O | N | D | Provide wildlife food and cover. |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| LOVEGRASS, WEEPING (Eragrostis curvula) alone | 4 lbs. | 0.1 lb. | J | F | M | A | M | J | J | A | S | O | N | D | 1,500,000 seed per pound. Quick cover. Drough tolerant. Grows well with Sericea lespedeza on roadbanks. |
| | | | | | | | | | | | | | | | |
| with other perenials | 2 lbs. | 0.05 lb. | | | | | | | | | | | | | |
| MAIDENCANE (Panicum hemitomon) sprigs | | 2' x 3' spacing | J | F | M | A | M | J | J | A | S | O | N | D | For very wet sites. May clog channels. Dig sprigs from local sources. Use along river banks and shorelines. |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| PANICGRASS, ATLANTIC COASTAL (Panicum amarum var. amarulum) | 20 lbs. | 0.5 lb. | J | F | M | A | M | J | J | A | S | O | N | D | Grows well on coastal sand dunes, borrow areas, and gravel pits. Provides winter cover for wildlife. Mix with Sericea lespedeza except on sand dunes. |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| REED CANARY GRASS (Phalaris arundinacea) alone | 50 lbs. | 1.1 lb. | J | F | M | A | M | J | J | A | S | O | N | D | Grows similar to tall fescue. |
| | | | | | | | | | | | | | | | |
| with other perenials | 30 lbs. | 0.7 lb. | | | | | | | | | | | | | |
| SUNFLOWER, 'AZTEC' MAXIMILLIAM (Helianthus maximiliani) | 10 lbs. | 0.2 lb. | J | F | M | A | M | J | J | A | S | O | N | D | 227,000 seed per pound. Mix with weeping lovegrass or other low-growing grasses or legumes. |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

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